## IN THE CLAIMS

Please amend the claims as follows:

Claims 1-19 (Canceled).

Claim 20 (Currently Amended): A data transfer control device for controlling transfer of IP based audio/visual data to a non-IP receiving node connected with a local home network from a transmitting node connected with a global IP network, the data transfer control device being connected between the local home network and the global IP network and comprising:

an establishing unit configured to establish a connection in the local home network;

a transfer unit configured to transfer the IP based audio/visual data transferred through a communication path that is reserved for receiving the IP based audio/visual data transmitted from the transmitting node, to the connection established by the establishing unit; and

a commanding unit configured to command the non-IP receiving node to receive the IP based audio/visual data which is transferred through the connection by the transfer unit, by using a communication protocol depending on the local home network,

wherein the communication protocol of the local home network is different than a communication protocol of the global IP network such that the non-IP receiving node and the transmitting node cannot directly communicate with each other.

Claims 21-23 (Canceled).

Claim 24 (Currently Amended): The device of claim 20, further comprising:

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a collecting unit configured to collect attribute information of the non-IP receiving

node; and

a notifying unit configured to notify the attribute information to another data transfer

control device belonging to the global IP network and/or the transmitting node.

Claim 25 (Previously Presented): The device of claim 20, further comprising:

a notice receiving unit configured to receive a notice regarding attribute information

of the transmitting node; and

a memory unit configured to store the attribute information.

Claim 26 (Currently Amended): The device of claim 20, further comprising:

a message receiving unit configured to receive a control message containing an

information capable of specifying the non-IP receiving node, from another data transfer

control device belonging to the global IP network and/or the transmitting node;

wherein the commanding unit commands a receiving of the IP based audio/visual data

to the receiving node as specified by the control message.

Claim 27 (Currently Amended): The device of claim 20, further comprising:

a transmission unit configured to transmit a control message containing an

information capable of specifying the transmitting node, to another data transfer control

device belonging to the global IP network.

Claim 28 (Currently Amended): A data transfer control device for controlling transfer

of IP based audio/visual data from a transmitting node connected with a global IP network to

a non-IP receiving node connected with a local home network, the data transfer control

device being connected between the local home network and the global IP network and

comprising:

a first establishing unit configured to establish a connection in the local home

network;

a second establishing unit configured to establish a communication path between the

data transfer control device and the global IP network or a transmitting node belonging to an

upper logical network of the global IP network;

a conversion unit configured to convert a data format of the IP based audio/visual data

received through the communication path established by the second establishing unit, from a

first data format depending on the global IP network to a second data format depending on

the local home network;

a transfer unit configured to transfer the IP based audio/visual data with the data

format converted by the conversion unit, to the connection established by the first

establishing unit; and

a commanding unit configured to command the non-IP receiving node to receive the

IP based audio/visual data transferred through the connection by the transfer unit, by using a

communication protocol depending on the local home network,

wherein the communication protocol of the local home network is different than a

communication protocol of the global IP network such that the non-IP receiving node and the

transmitting node cannot directly communicate with each other.


Claim 29 (Currently Amended): A data transfer control device for controlling transfer

of IP based audio/visual data from a transmitting node connected with a global IP network to

a non-IP receiving node connected with a local home network, the data transfer control

device being connected between the local <u>home</u> network and the global <u>IP</u> network and comprising:

a first establishing unit configured to establish a connection in the local <u>home</u> network;

a second establishing unit configured to establish a communication path between the data transfer control device and the global <u>IP</u> network or a transmitting node belonging to an upper logical network of the global <u>IP</u> network;

an encoding/decoding unit configured to encode/decode the <u>IP based</u> audio/visual data received through the communication path established by the second establishing unit;

a transfer unit configured to transfer the <u>IP based</u> audio/visual data encoded/decoded by the encoding/decoding unit, to the connection established by the first establishing unit; and

a commanding unit configured to command the non-IP receiving node to receive the <u>IP based</u> audio/visual data transferred through the connection by the transfer unit, by using a communication protocol depending on the local <u>home</u> network,

wherein the communication protocol of the local <u>home</u> network is different than a communication protocol of the global <u>IP</u> network such that the non-IP receiving node and the transmitting node cannot directly communicate with each other.

Claims 30-36 (Canceled).

Claim 37 (Currently Amended): A relay device for transmitting a received data from a ~~transmitted~~ transmitting node connected with a global <u>IP</u> network to a non-IP receiving node connected with a local <u>home</u> network, comprising:

a receiving unit configured to receive a control message requesting an

encoding/decoding of the received data in a data format depending on the local home

network; and

a transmission unit configured to encode/decode the received data from global IP

network according to the control message received by the receiving unit, and to transmit

encoded/decoded data to the local home network,

wherein a communication protocol of the local home network is different than a

communication protocol of the global IP network such that the non-IP receiving node and the

transmitting node cannot directly communicate with each other.

Claim 38 (Currently Amended): A control device connected between a local home

network and a global IP network, comprising:

a collecting unit configured to collect attribute information of transmitting and/or non-

IP receiving nodes connected with the local home network, according to a communication

protocol depending on the local home network; and

a notifying unit configured to notify the attribute information to a device connected

with the global IP network, according to a network layer protocol not depending on the local

home network,

wherein the communication protocol of the local home network is different than a

communication protocol of the global IP network such that the non-IP receiving nodes and

the transmitting nodes cannot directly communicate with each other.

Claims 39-92 (Canceled).

Claim 93 (Currently Amended): A data transfer control device for controlling transfer of IP based audio/visual data to a non-IP receiving node connected with a local home network from a transmitting node connected with a global IP network, the data transfer control device being connected between the local home network and the global IP network and comprising:

an establishing unit configured to establish a connection in the global IP network for transmitting the IP based audio/visual data;

a reserving unit configured to reserve a communication path for transferring the IP based audio/visual data transmitted through the connection to another data transfer control device belonging to the local home network and/or the receiving node; and

a commanding unit configured to command the transmitting node to transmit the IP based audio/visual data through the connection, by using a communication protocol depending on the global IP network,

wherein the communication protocol of the local home network is different than a communication protocol of the global IP network such that the non-IP receiving node and the transmitting node cannot directly communicate with each other.

Claim 94 (Currently Amended): A data transfer control device for controlling transfer of IP based audio/visual data to a non-IP receiving node connected with a local home network from a transmitting node connected with a global IP network, the data transfer control device being connected between the local home network and the global IP network and comprising:

an establishing unit configured to establish a communication path for the IP based audio/visual data transmitted from the transmitting node by using a signaling protocol of a network layer, the communication path reaching the data transfer control device from the

transmitting node or another data transfer control device connected with the global IP

network;

a receiving unit configured to receive a control message containing an information

regarding a connection through which the IP based audio/visual data is to be transferred to

the non-IP receiving node; and

a commanding unit configured to command the non-IP receiving node to receive the

IP based audio/visual data transferred through the connection, by using a communication

protocol depending on the local home network,

wherein the communication protocol of the local home network is different than a

communication protocol of the global IP network such that the non-IP receiving node and the

transmitting node cannot directly communicate with each other.


Claim 95 (Currently Amended): A data transfer control device for controlling transfer

of IP based audio/visual data from a transmitting node connected with a global IP network to

a non-IP receiving node connected with a local home network, the data transfer control

device being connected between the local home network and the global IP network and

comprising:

an establishing unit configured to establish a communication path for the IP based

audio/visual data transmitted from the transmitting node by using a signaling protocol of a

network layer, the communication path reaching the receiving node or another data transfer

control device connected with the local home network;

a transmission unit configured to transmit a control message containing an

information regarding a connection through which the IP based audio/visual data is to be

transferred from the transmitting node; and

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a commanding unit configured to command the transmitting node to transmit the IP

based audio/visual data to the connection by using a communication protocol depending on

the global IP network,

wherein the communication protocol of the local home network is different than a

communication protocol of the global IP network such that the non-IP receiving node and the

transmitting node cannot directly communicate with each other.